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From: Yu, Misook
Sent: Wednesday, November 09, 2005 11:04 AM
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Pls do interference search only for SEQ ID NO: 4.

Examiner Misook Yu, Ph.D.
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REM-3C18 (Mail Box)

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STIC/CHEN, DIVISION
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Point of Contact:
Alexandra Wacławiw
Technical Info. Specialist

Searcher: CM1 6A02 Test 303-4491
Searcher Phone: _____
Date Searcher Picked up: 11-10
Date completed: 11-14
Searcher Prep Time: 6
Online Time: 5

Type of Search
NA# _____ AA# 1
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: ☒ _____
WWW/Internet: _____
Other (Specify): _____

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OM protein - protein search, using sw model

Run on: November 10, 2005, 08:50:28 ; Search time 44 Seconds
(without alignments)
395.301 Million cell updates/sec

Title: US-09-597-920B-4
Perfect score: 1227
Sequence: 1 MEEAILPCVIGLLLPILA.....EAEVEEGAPDYNLQELN 233

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database :
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3: /cgn2_6/protdata/1/aa/5A_COMB.pep:*
4: /cgn2_6/protdata/1/aa/5B_COMB.pep:*
5: /cgn2_6/protdata/1/aa/PCTUS_COMB.pep:*
6: /cgn2_6/protdata/1/aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1202.5	98.0	262	4	US-09-949-016-8622
2	116	9.5	2090	4	US-09-538-092-1081
3	116	9.5	2120	4	US-09-949-016-9768
4	113.5	9.3	2414	1	US-08-227-536-2
5	113.5	9.3	2414	4	US-09-538-092-1289
6	113.5	9.3	2414	5	PCT-US95-04682-2
7	112	9.1	520	4	US-09-949-016-9918
8	112	9.1	1958	1	US-07-945-283-2
9	111	9.0	455	4	US-09-270-767-45531
10	110	9.0	571	4	US-09-252-991A-30533
11	106.5	8.7	1298	2	US-08-690-473-2
12	106.5	8.7	1298	3	US-09-259-821A-2
13	106.5	8.7	1298	3	US-08-843-659-2
14	106.5	8.7	1298	4	US-09-825-288A-2
15	106	8.6	1026	4	US-09-949-016-6777
16	106	8.6	1034	4	US-09-949-016-10870
17	105.5	8.6	4019	4	US-09-854-133-425
18	105	8.6	520	4	US-09-107-433-3721
19	104.5	8.5	802	4	US-09-823-240A-2
20	104.5	8.5	1219	4	US-08-344-624-4
21	104	8.5	2441	1	US-08-194-468-2
22	104	8.5	2441	3	US-08-961-739-2
23	104	8.5	2441	4	US-09-514-247A-8
24	104	8.5	2441	3	US-09-686-316-2
25	104	8.5	2442	3	US-09-514-247A-10
26	104	8.5	2442	4	US-09-538-092-1370
27	103.5	8.4	865	3	US-09-281-766-19
28	103.5	8.4	865	4	US-09-612-858-19
29	103.5	8.4	865	4	US-09-957-995A-19
30	103	8.4	300	4	US-09-949-016-5962
31	103	8.4	329	4	US-09-949-016-10363
32	102	8.3	315	4	US-09-270-767-46043
33	101	8.2	280	4	US-09-949-016-11646
34	101	8.2	1048	4	US-09-171-699-10
35	100.5	8.2	580	4	US-09-270-767-41648
36	100.5	8.2	961	4	US-09-538-092-1231
37	100.5	8.2	1065	4	US-09-949-016-11618
38	100.5	8.2	1187	1	US-08-320-559-28
39	100.5	8.2	1187	3	US-08-545-860D-28
40	100.5	8.2	1187	5	PCT-US94-04496-28
41	100.5	8.2	1210	1	US-08-320-559-26
42	100.5	8.2	1210	3	US-08-545-860D-26
43	100.5	8.2	1210	4	US-09-538-092-1179
44	100.5	8.2	1210	5	PCT-US94-04496-26
45	100	8.1	739	4	US-09-902-540-10606
46	99.5	8.1	786	4	US-09-949-016-10170
47	99	8.1	627	2	US-08-466-589-6
48	99	8.1	627	3	US-08-700-636-6
49	99	8.1	627	3	US-08-467-574-6
50	99	8.1	627	3	US-09-217-345-6
51	99	8.1	627	4	US-09-892-985-6
52	99	8.1	865	4	US-09-902-540-10416
53	98.5	8.0	174	3	US-09-199-637A-63
54	98.5	8.0	335	2	US-08-405-175A-6
55	98.5	8.0	344	3	US-09-147-236-11
56	98.5	8.0	344	4	US-09-522-474-11
57	98	8.0	300	6	5340934-6
58	98	8.0	300	6	5340934-6
59	98	8.0	750	3	US-09-165-239A-4
60	98	8.0	943	2	US-08-469-537A-107
61	98	8.0	1147	4	US-09-949-016-8616
62	98	8.0	1560	4	US-09-264-512B-2
63	97.5	7.9	322	4	US-09-248-756A-17229
64	97.5	7.9	408	4	US-09-949-016-8637
65	97.5	7.9	706	4	US-09-538-092-957
66	97.5	7.9	747	4	US-09-949-016-10040
67	97.5	7.9	1233	4	US-09-688-188B-89
68	97.5	7.9	1233	4	US-09-291-417D-89
69	97.5	7.9	8991	4	US-08-714-741-32
70	97	7.9	282	1	US-07-712-476A-5
71	97	7.9	372	4	US-10-029-180-10
72	97	7.9	897	1	US-07-960-389-2
73	97	7.9	1317	3	US-09-083-521-7
74	97	7.9	1970	4	US-09-538-092-1005
75	96.5	7.9	481	4	US-09-949-016-9748
76	96.5	7.9	553	3	US-09-083-351-2
77	96.5	7.9	553	3	US-09-083-352-2
78	96.5	7.9	553	4	US-09-612-809B-2
79	96.5	7.9	655	4	US-09-902-540-10216
80	96.5	7.9	829	4	US-09-562-737-40
81	96	7.8	314	4	US-08-134-253-1
82	96	7.8	314	4	US-09-206-576-2
83	96	7.8	314	4	US-09-538-092-896
84	96	7.8	1269	4	US-09-645-456A-15
85	96	7.8	1269	4	US-09-425-324A-15
86	96	7.8	1269	4	US-09-645-791-15
87	96	7.8	1298	4	US-09-645-456A-14
88	96	7.8	1298	4	US-09-425-324A-14
89	96	7.8	1298	4	US-09-645-791-14
90	96	7.8	1324	4	US-09-645-456A-13
91	96	7.8	1324	4	US-09-425-324A-13
92	96	7.8	1324	4	US-09-645-791-13
93	96	7.8	1353	4	US-09-645-456A-11
94	96	7.8	1353	4	US-09-425-324A-11
95	96	7.8	1353	4	US-09-645-791-11
96	95.5	7.8	378	4	US-09-252-991A-21060
97	95.5	7.8	382	4	US-10-029-180-56
98	95.5	7.8	399	4	US-09-949-016-8459
99	95.5	7.8	399	4	US-09-949-016-8460
100	95.5	7.8	399	4	US-09-949-016-8461

ALIGNMENTS

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RESULT 1
US-09-949-016-8622
; Sequence 8622, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CU001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8622
; LENGTH: 262
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8622
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Query Match      98.0%; Score 1202.5; DB 4; Length 262;
Best Local Similarity 88.9%; Pred. No. 1.5e-103;
Matches 233; Conservative 0; Mismatches 0; Indels 29; Gaps 1;

QY 1 MEEAILVFCVLGLLLPILAMLMALCVHCHRLPGSYDSTSDSLVPRGIQKRPHTVAPW 60
DB 1 MEEAILVFCVLGLLLPILAMLMALCVHCHRLPGSYDSTSDSLVPRGIQKRPHTVAPW 60

QY 61 PPAPVPTSYPLSQDPLLPTRSPQPLGGSHRTPSSRRSDGANSVASYENE----- 113
DB 61 PPAPVPTSYPLSQDPLLPTRSPQPLGGSHRTPSSRRSDGANSVASYENE----- 113

QY 114 -----EPACEDADEDEDYHNPGLVLPDSTPATSTAAPSAP 151
DB 121 AQAGVGVGSPWTRLTPVSLPEPACEDADEDEDYHNPGLVLPDSTPATSTAAPSAP 180

QY 152 ALSTPGIRDSAFSMESIDYVNVPSGESAEASLDGSRVYVNVSGQLHPGAAKTEPAALS 211
DB 161 ALSTPGIRDSAFSMESIDYVNVPSGESAEASLDGSRVYVNVSGQLHPGAAKTEPAALS 240

QY 212 SQAEVEVEEGAPDYENLQELN 233
DB 241 SQAEVEVEEGAPDYENLQELN 262
```

```
RESULT 2
US-09-538-092-1081
; Sequence 1081, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CuraPatSeqFormatter Version 0.9
; SEQ ID NO 1081
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; LENGTH: 2090
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number P35658
US-09-538-092-1081

Query Match      9.5%; Score 116; DB 4; Length 2090;
Best Local Similarity 24.9%; Pred. No. 0.15;
Matches 52; Conservative 20; Mismatches 85; Indels 52; Gaps 7;

QY 35 SYDSTSDSLVPRGIQKRPHTVAPWPAYPPVTSYPLSQDPLLPTRSPQ-PLGGSHR 93
DB 1440 SFGSQQTNSTVP-----PSAPPTTAATPLTSPFTLSFGSLSSATTPSLPMSAGRS 1492
QY 94 T-----PSSRRSDGANSVASYENEPEACEDADEDEDYHNPGLVLPDSTPATST 145
DB 1493 TEEATSSALPEKPGDSEVSASAASLLEEQSAQ-----LPQAPPQTSD 1535
QY 146 AAPSAALSTPGIRDS-----AFSMESIDYVNVPSGESAEASLDGSRVYVNV 195
DB 1536 SVKKEPVLQAQPAVNSGTAASSTLSVALSAEATPATGTGVPDA--RTEAVPPASSFSV--- 1590
QY 196 QELHPGAAKTEPAALSQAEVEVEEGAP 224
DB 1591 ----PGQTAVTAAAISSAGPVAVETSSTP 1615
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RESULT 3
US-09-949-016-9768
; Sequence 9768, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CU001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9768
; LENGTH: 2120
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9768
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Query Match      9.5%; Score 116; DB 4; Length 2120;
Best Local Similarity 24.9%; Pred. No. 0.16;
Matches 52; Conservative 20; Mismatches 85; Indels 52; Gaps 7;

QY 35 SYDSTSDSLVPRGIQKRPHTVAPWPAYPPVTSYPLSQDPLLPTRSPQ-PLGGSHR 93
DB 1470 SFGSQQTNSTVP-----PSAPPTTAATPLTSPFTLSFGSLSSATTPSLPMSAGRS 1522
QY 94 T-----PSSRRSDGANSVASYENEPEACEDADEDEDYHNPGLVLPDSTPATST 145
DB 1523 TEEATSSALPEKPGDSEVSASAASLLEEQSAQ-----LPQAPPQTSD 1565
QY 146 AAPSAALSTPGIRDS-----AFSMESIDYVNVPSGESAEASLDGSRVYVNV 195
DB 1566 SVKKEPVLQAQPAVNSGTAASSTLSVALSAEATPATGTGVPDA--RTEAVPPASSFSV--- 1620
QY 196 QELHPGAAKTEPAALSQAEVEVEEGAP 224
```


TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-2290
TELEFAX: (617) 451-0313
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2414 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US95-04682-2

Query Match 9.3%; Score 113.5; DB 5; Length 2414;
Best Local Similarity 24.2%; Pred. No. 0.32;
Matches 55; Conservative 24; Mismatches 103; Indels 45; Gaps 9;

Qy 27 VCHRLPGSDVSSDLSYPRGIQKPHVAVWPPA-YPPVTSYP-PLSQDPLLPIPRS 84
Db 817 IHCQLPQALHQNPSPVFS--RTPTHTTPPSIGAQPPATTIPAPVPTPAMPGPQ 874

Qy 85 PQLGGSHRTPSSRRSDGANSVASYENEEPACDADDEDYHNGYLVVLDPSTPAT 144
Db 875 SQAL---HPPRQTPTTQLPQOVQPSLPAASDAQPOQ-----PRSQOSTA 921

Qy 145 TAAPS-----APALSTPGIRDSAFSMESIDYVNPESGESAEASLDGSRYYNV 194
Db 922 ASVTPNAPLLPQOPATPLSQPAV-----SIEGQVSNPPSTSTSVNSQAIAE-KQP 972

Qy 195 SQEL-----HPGAKTPEPALSSQAEVEEVEEGAPDYENIQEL 232
Db 973 SQEVMEAKMEVDQPEPADTQPEDISBKVBDCKMESTETESTEL 1019

RESULT 7
US-09-949-016-9918
Sequence 9918, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9918
LENGTH: 520
TYPE: PRT
ORGANISM: Human
US-09-949-016-9918

Query Match 9.1%; Score 112; DB 4; Length 520;
Best Local Similarity 24.3%; Pred. No. 0.052;
Matches 51; Conservative 22; Mismatches 79; Indels 58; Gaps 11;

Qy 33 PCSYSTSDSLYPRGIQKPHVAVWPPA-YPPVTSYPPLSQP---DLLP---IPRSP 85
Db 58 PSQEPLSSKDSATSEG-----SPPGFDAPPKVDVPPCQEPQADLSQCQLPAGQ 108

Qy 86 QPLGGSHRTPSSRRSDGANSVASYENEEPACDADDEDYHNGYLVVL 136
Db 109 EPL--PHQPLLTKDLPAQEQ--SPTRDLPPCQDLPPSQVSLPAKALTDTMTSSGDLLAA 164

Qy 137 PDSTPATSTAASAPALSTPGIR-DSAFSMESIDYVNPESGESAEASLDGSRYYNV 195
Db 165 TGDPP-----AAP-RPAFVPEVRLDSTYSQKA-----GAEQCCSGDESDAEBA 207

Qy 196 QELHQAAKTEPALSSQAEVEEVEEGAPD 225
Db 208 EEVEEG-----EEGEDEDEDTSD 226

RESULT 8
US-07-945-283-2
Sequence 2, Application US/07945283
Patent No. 5352596
GENERAL INFORMATION:
APPLICANT: Cheung, Andrew K.
APPLICANT: Wesley, Ronald D.
TITLE OF INVENTION: Pseudorabies Virus Deletion Mutants
TITLE OF INVENTION: Involving The EP0 and LIT Genes
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis P. Ribando
STREET: 1815 No. 5352596th University Street
CITY: Peoria
STATE: IL
COUNTRY: USA
ZIP: 61604
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/945,283
FILING DATE: 19920911
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Ribando, Curtis P
REGISTRATION NUMBER: 27976
TELECOMMUNICATION INFORMATION:
TELEPHONE: 309-685-4011 ext.513
TELEFAX: 309-685-4128
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1958 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-945-283-2

Query Match 9.1%; Score 112; DB 1; Length 1958;
Best Local Similarity 35.3%; Pred. No. 0.33;
Matches 30; Conservative 5; Mismatches 26; Indels 24; Gaps 3;

Qy 59 PWPPAYPPVTSYPLSQDPLLPIPRSPQPLGGS-----HRTFSSRRDS 101
Db 483 PSPPPRP-----PPLPPPPPPPPPPPPPPAGSARRRRRRGGGPPGRRRRGGKRRRA 538

Qy 102 DGANSVASYENEEPACDADDED 126
Db 539 EGTEAAAADAE---EDGDEDEDE 560

RESULT 9
US-09-270-767-45531
Sequence 45531, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 45531
LENGTH: 455
TYPE: PRT

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; ORGANISM: Drosophila melanogaster
US-09-270-767-45531

Query Match      9.0%; Score 111; DB 4; Length 455;
Best Local Similarity 21.3%; Pred. No. 0.053;
Matches 57; Conservative 23; Mismatches 106; Indels 82; Gaps 9;

QY 34 GSYDSTSSDLYPRGIQKRP-----HTVAPWPPAYP---PVT----- 69
Db 165 GSNNTNMSFFIHLRFNTPTQQOQPROQNVLPANQPTPPFGSAPPAPVASSNNFS 224
QY 70 -----YPLSQDPLLPIPRSPQ-----LGGSHRTPSSRRDS-- 101
Db 225 GQTPMFAAPLHHHPAVPMGMPVVLISIPSPMPASIPWNSPLFKITPLQQAQAKSNDGQ 284
QY 102 ----DCANGVASYEHEEPACEDA-----DEDDYHNPGLVVLDPSTPA 142
Db 285 NDDVNCNPFSTYSQESQAVANASMPGVPHPGADASKDDDDMED--LVQLDDDDDED 342
QY 143 TSTAAPSAPALSTPGIRDSAFSMESIDY-----VNPESGESAEASLDGSRYYVVSQ 196
Db 343 TDUIPLGP--EPEVPKVPKSDDDLYEPENPTEPEEPPEESCDVPTKSESS 399
QY 197 ELHGAAKTEPAALSQEAEEVEEGAP 224
Db 400 DHEPSNSNVQAAAPVENDAEAEARSTRSP 427

RESULT 10
US-09-252-991A-30533
; Sequence 30533, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30533
; LENGTH: 571
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30533

Query Match      9.0%; Score 110; DB 4; Length 571;
Best Local Similarity 22.1%; Pred. No. 0.091;
Matches 54; Conservative 30; Mismatches 92; Indels 68; Gaps 9;

QY 39 TSSDLYPRGIQKRPHTVAPWPPAY-----PPVTSYPPLSQDPLLPIPRSPQ 86
Db 315 TPTVTSFG-----SVAQAPAVSARVAASTQAREPASPVPDDEPLVPVSSHQP 367
QY 87 PLGGSHTPTS-----SRSDGANSV-ASYENEPACEDADEDE-DDYHNPGLVVLDP 138
Db 368 IAGRTHERPQPGPGPAKTAAEVASTAQASQVDSPPATAGGEGEERRQPG--ETDPS 425
QY 139 STPATSTAAPSALSTPGIR-----DSAFSMESIDYVNPESGESA 181
Db 426 ALPPDQAPVPLPAMQTPGRLVAFLLASSGSRPLPLADLARLLDVAQGRITQVAAESH 485
QY 182 EASLDGSRYYVVSQELHPGAAKTEPAALSQEAEEVEEGAPD-----YENL 229
Db 486 AARL-----QVRLPQLGAVEVQLHGHGQLQVEISASPGSLAPLOAQGELLERL 535
QY 230 QELN 233
Db 536 QRLH 539
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RESULT 11
US-08-690-473-2
; Sequence 2, Application US/08690473
; Patent No. 5876923
; GENERAL INFORMATION:
; APPLICANT: Leopardi, Rosario
; APPLICANT: Roizman, Bernard
; TITLE OF INVENTION: HERPES SIMPLEX VIRUS ICP4 AS AN
; TITLE OF INVENTION: INHIBITOR OF APOPTOSIS
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/690,473
; FILING DATE: 26-JUL-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Highlander, Steven L.
; REGISTRATION NUMBER: 37,642
; REFERENCE/DOCKET NUMBER: ARCD:239
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1298 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-08-690-473-2

Query Match      8.7%; Score 106.5; DB 2; Length 1298;
Best Local Similarity 24.0%; Pred. No. 0.6;
Matches 49; Conservative 19; Mismatches 73; Indels 63; Gaps 7;

QY 82 PRSQPLGGSHRTPSSRRSDSGANSVASYENEE-----PAC 117
Db 9 PGSPGPTDGPPTSPDRDERGALWGGA-ETEGGDDPDHDPDHPDLDDARRDGRAPAA 67
QY 118 -EDADEDEDDYHNPGLVVL-----PDSTPATSTAAPSAPALSTPGIRDSAFSMESIDYV 172
Db 68 GTDAGEDAGDAVSPQLALLASWVEAVRTIPTDPAASPPRTPAFRADDDGDEYDDAA 127
QY 173 N-----VPESGESAEASLDGSRYYVVSQELHP-----G 201
Db 128 DAAGDRAPARGREAPLRGA--YPDPTDRLSPRPPAQPPTRRRRHGRWRPSASSTSDSG 185
QY 202 AAKTEPAALSQEAEEVEEGAPD 225
Db 186 SSSSSSSSSSSSSSDEDDDDGND 209

RESULT 12
US-09-259-821A-2
; Sequence 2, Application US/09259821A
; Patent No. 6210926
; GENERAL INFORMATION:
; APPLICANT: LEOPARDI, ROSARIO
; APPLICANT: ROIZMAN, BERNARD
; TITLE OF INVENTION: HERPES SIMPLEX VIRUS ICP4 IS AN INHIBITOR OF APOPTOSIS
; FILE REFERENCE: ARCD:317
```

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; CURRENT APPLICATION NUMBER: US/09/259,821A
; CURRENT FILING DATE: 1999-03-01
; PRIOR APPLICATION NUMBER: 08/690,473
; PRIOR FILING DATE: 1996-07-26
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1298
; TYPE: PRT
; ORGANISM: HERPES VIRUS, TYPE 1
US-09-259-821A-2

Query Match      8.7%; Score 106.5; DB 3; Length 1298;
Best Local Similarity 24.0%; Pred. No. 0.6;
Matches 49; Conservative 19; Mismatches 73; Indels 63; Gaps 7;

QY      82 PRSPQPLGGSHRTPSSRRSDGANSVASVYENEE-----PAC 117
DB      9 PGSPGPTDGPPTPSPDRDERGALWGGA-ETEEGGDDPDHPDHPHDLDDARRDGRAPAA 67

QY      118 -EDADEDEDDYHNPGLVVL-----PDSTPATSTAAPSAPALSTPGIRDSAFSMESIDYV 172
DB      68 GTDAGEDAGDAVSPRQLALLASWVEEAVRTIPTDPAASPPRTPAFRADDDGDEYDDAA 127

QY      173 N-----VPESGESAEASLDGSREYVNVSQELHP-----G 201
DB      128 DAAGDRAPARGREAPLRGA--YPDPTDRLSPRPPAQPPIRRRRHGRWRPSASSTSSDSG 185

QY      202 AAKTEPAALSSQAEVEEVEEGAPD 225
DB      186 SSSSSASSSSSSDEDEDDGND 209

RESULT 13
US-08-843-659-2
; Sequence 2, Application US/08843659
; Patent No. 6218103
; GENERAL INFORMATION:
; APPLICANT: Leopardi, Rosario
; APPLICANT: Roizman, Bernard
; TITLE OF INVENTION: HERPES SIMPLEX VIRUS US3 AND ICP4 AS
; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: Concurrently Herewith
; APPLICATION NUMBER: US/08/843,659
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Highlander, Steven L.
; REGISTRATION NUMBER: 37,642
; REFERENCE/DOCKET NUMBER: ARSB:519
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (512) 474-7577
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1298 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-08-843-659-2

; CURRENT APPLICATION NUMBER: US/09/259,821A
; CURRENT FILING DATE: 1999-03-01
; PRIOR APPLICATION NUMBER: 08/690,473
; PRIOR FILING DATE: 1996-07-26
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1298
; TYPE: PRT
; ORGANISM: HERPES VIRUS, TYPE 1
US-09-259-821A-2

Query Match      8.7%; Score 106.5; DB 3; Length 1298;
Best Local Similarity 24.0%; Pred. No. 0.6;
Matches 49; Conservative 19; Mismatches 73; Indels 63; Gaps 7;

QY      82 PRSPQPLGGSHRTPSSRRSDGANSVASVYENEE-----PAC 117
DB      9 PGSPGPTDGPPTPSPDRDERGALWGGA-ETEEGGDDPDHPDHPHDLDDARRDGRAPAA 67

QY      118 -EDADEDEDDYHNPGLVVL-----PDSTPATSTAAPSAPALSTPGIRDSAFSMESIDYV 172
DB      68 GTDAGEDAGDAVSPRQLALLASWVEEAVRTIPTDPAASPPRTPAFRADDDGDEYDDAA 127

QY      173 N-----VPESGESAEASLDGSREYVNVSQELHP-----G 201
DB      128 DAAGDRAPARGREAPLRGA--YPDPTDRLSPRPPAQPPIRRRRHGRWRPSASSTSSDSG 185

QY      202 AAKTEPAALSSQAEVEEVEEGAPD 225
DB      186 SSSSSASSSSSSDEDEDDGND 209

RESULT 14
US-09-825-288A-2
; Sequence 2, Application US/09825288A
; Patent No. 6723151
; GENERAL INFORMATION:
; APPLICANT: LEOPARDI, ROSARIO
; APPLICANT: ROIZMAN, BERNARD
; TITLE OF INVENTION: HERPES SIMPLEX VIRUS ICP4 IS AN INHIBITOR OF APOPTOSIS
; FILE REFERENCE: ARCD:317USC1
; CURRENT APPLICATION NUMBER: US/09/825,288A
; CURRENT FILING DATE: 2001-04-02
; PRIOR APPLICATION NUMBER: 09/259,821
; PRIOR FILING DATE: 1999-03-01
; PRIOR APPLICATION NUMBER: 08/690,473
; PRIOR FILING DATE: 1996-07-26
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1298
; TYPE: PRT
; ORGANISM: HERPES VIRUS, TYPE 1
US-09-825-288A-2

Query Match      8.7%; Score 106.5; DB 4; Length 1298;
Best Local Similarity 24.0%; Pred. No. 0.6;
Matches 49; Conservative 19; Mismatches 73; Indels 63; Gaps 7;

QY      82 PRSPQPLGGSHRTPSSRRSDGANSVASVYENEE-----PAC 117
DB      9 PGSPGPTDGPPTPSPDRDERGALWGGA-ETEEGGDDPDHPDHPHDLDDARRDGRAPAA 67

QY      118 -EDADEDEDDYHNPGLVVL-----PDSTPATSTAAPSAPALSTPGIRDSAFSMESIDYV 172
DB      68 GTDAGEDAGDAVSPRQLALLASWVEEAVRTIPTDPAASPPRTPAFRADDDGDEYDDAA 127

QY      173 N-----VPESGESAEASLDGSREYVNVSQELHP-----G 201
DB      128 DAAGDRAPARGREAPLRGA--YPDPTDRLSPRPPAQPPIRRRRHGRWRPSASSTSSDSG 185

QY      202 AAKTEPAALSSQAEVEEVEEGAPD 225
DB      186 SSSSSASSSSSSDEDEDDGND 209

RESULT 15
US-09-949-016-6777
; Sequence 6777, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

```



```

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USSES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6777
; LENGTH: 1026
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-6777

```

Query Match 8.6%; Score 106; DB 4; Length 1026;
Best Local Similarity 22.7%; Pred. No. 0.48;
Matches 62; Conservative 28; Mismatches 69; Indels 114; Gaps 15;

[illegible]

```

RESULT 16
US-09-949-016-10870
; Sequence 10870, Application US/09949016
; Patent NO. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10870
; LENGTH: 1034
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-10870

```

Query Match 8.6%; Score 106; DB 4; Length 1034;
Best Local Similarity 22.7%; Pred. No. 0.49;
Matches 62; Conservative 28; Mismatches 59; Indels 114; Gaps 15;

Qy 37 DSTSDSLVPRGIQFKRPHTVAP--WPPAYPP-----VTSYPLSQP-----DLLP 80

```

Db      29  EAMSSDS  ---EEAFETTESITTPVKAPAPPPPPPEVPEVSTQPPPEPCCGSETVP  84
      QY      81  1---PRSPQPLGGSHRTSS-----RRSDGANSVASYENEPACED  119
      Db      85  VPDGRSDSVESGPRPESHFSFAVDEKPIASGTYNLDNFDTLVDITFQLEPRASD  144
      QY      120  ADEDE-----DDYH-----NPGYLWVLPD-----ST  140
      Db      145  AKNOEGKVNTRRKSTDSVPISKSTLSRSLSQLASDFDCGSSGNPEVALAPDAYSTGSS  204
      QY      141  PATS-----TAAPSPAL-----STGRDSAFSMESIDDDYVNPESGESAEASLD  186
      Db      205  SASLTKRKKPRPSPSLKKQTTKKPTPTPPVK-----TQBPDEESLVP-SGE-----  253
      QY      187  GSREYVNVSQELHFGAAKTE---PAALSSQBAE  216
      Db      254  -----NLASETKTESAKTEGSPALLEETPLE  280

RESULT 17
US-09-854-133-425
; Sequence 425, Application US/09854133
; Patent NO. 6759508
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Sceriat, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 425
; LENGTH: 4019
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-854-133-425

```

Query Match 8.6%; Score 105.5; DB 4; Length 4019;
Best Local Similarity 27.0%; Pred. NO. 3.6;
Matches 61; Conservative 19; Mismatches 97; Indels 49; Gaps 11;

[illegible]

RESULT 18
US-09-107-433-3721
; Sequence 3721, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS
; THERAPUTICS

```

;
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS: GENOME THERAPEUTICS CORPORATION
; ADDRESSEE: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD/ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
;
; INFORMATION FOR SEQ ID NO: 3721:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 520 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...520
; SEQUENCE DESCRIPTION: SEQ ID NO: 3721:
US-09-107-433-3721

Query Match 8.6%; Score 105; DB 4; Length 520;
Best Local Similarity 23.4%; Pred. No. 0.23;
Matches 43; Conservative 26; Mismatches 69; Indels 46; Gaps 7;

Qy 39 TSSDSLYPRGIQFKRPHTVAPWPPAY-----PPVTSYPPPLSQPDLLPIPRSPQ 86
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 315 TPTVPLESG-----SVAQAPAVSARVAASTQAREPASVSAPPVDEPLVPVSSHQ 367
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

Qy 87 PLGGSHTPTS-----SRRSDGANSV-ASYNEEPACEDADEDE-DDYHNPGLVLPD 138
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 368 IAGRTHERPQPGPGFPAKTAAEVASTAQASVQVSPAPTAGGEGRGEERQPG--ETDPS 425
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

Qy 139 STPATSTAAPSALSTGIR-----DSAFMSIEDDYVNVPSGESA 181
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 426 ALPPDDQAPVPLFAMQTGDRLLARLLARLLASSGSRPLPLADLARLLDAVQGRIQVASAES 485
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

Qy 182 EASL 185
Db 486 AARL 489

RESULT 19
US-09-823-240A-2
; Sequence 2, Application US/09823240A
; Patent No. 6716597
; GENERAL INFORMATION:
; APPLICANT: Frank B. Gertler
; APPLICANT: James E. Bear
; APPLICANT: Jurgen Wehland
; APPLICANT: Joseph Loureiro

; TITLE OF INVENTION: Methods and Products for Regulating Cell
; MOTILITY
; FILE REFERENCE: M00656.70064.US
; CURRENT APPLICATION NUMBER: US/09/823,240A
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 60/194,564
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 802
; TYPE: PRT
; ORGANISM: Mus musculus
; ORGANISM: Mus musculus
US-09-823-240A-2

Query Match 8.5%; Score 104.5; DB 4; Length 802;
Best Local Similarity 24.0%; Pred. No. 0.47;
Matches 60; Conservative 17; Mismatches 77; Indels 77; Gaps 9;

Qy 34 GSYDSTSDSLYPRGIQFKRPHTVAPWPPAYPPVTSYPPPLSQPDLLPI-----PRSP 85
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 422 GSLDSVT---YFVSPPTSGPAAPPPPPPPPPPPPPPPPLPLPLASLSHCGSQASP 477
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

Qy 86 QPLGGSHTPTSSRD---SDGANSVASYEN-----EPPACEDADEDEDD----- 126
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 478 PPGTPLASTPSSKPSVLPSPAGAPASAEPLNPELGDSSASBPGLQAASQPAESPTPQ 537
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

Qy 127 -----YHNPGLVVL-----PDSTPATSTA----- 146
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 538 LVLPAPPAPPPPLPSGPAYASALPPPPPPPPPPPPPPPPPPPPPPPLPNQAPPPP 597
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

Qy 147 APSAPALSTPGIRDSAFMSIEDDYVNVPSGESAASLDGSRYYVNVSOELHPGAAKTE 206
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 598 PPAPPLPASGI---FSGSTSED--NRPLTGLAATAIAGAKLRKVRVEDGSPFGGNTG 651
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

Qy 207 PAALSQAE 216
| : : : : :
Db 652 SVSLASSKAD 661

RESULT 20
US-09-344-624-4
; Sequence 4, Application US/09344624
; Patent No. 6753154
; GENERAL INFORMATION:
; APPLICANT: Chen, Huei-Mei
; APPLICANT: Bissell, Mina
; TITLE OF INVENTION: HUMAN AZ-1 GENE, VARIANTS THEREOF AND EXPRESSED GENE
; PRODUCTS
; FILE REFERENCE: 2960.44 (HV)
; CURRENT APPLICATION NUMBER: US/09/344,624
; CURRENT FILING DATE: 1999-06-25
; EARLIER APPLICATION NUMBER: 60/090,747
; EARLIER FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 1219
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
US-09-344-624-4

Query Match 8.5%; Score 104.5; DB 4; Length 1219;
Best Local Similarity 22.5%; Pred. No. 0.85;
Matches 64; Conservative 28; Mismatches 73; Indels 119; Gaps 16;

Qy 35 SYDS-----TSSDSLYPRGIO----FKRPHTVAP--WPPAYPP-----VTSYPP 73
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 280 SYHSDVVGQVSTDLIAQRSDSEAFETPTTPVKAPPAPPPPPPPPPPPPPPPPP 339
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

Qy 74 SQP-----DLLPI---PRSPQPLGGSHRTPSS-----RRSDGANSVA 108
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 340 EPGCGSETVPDPGPRSDSVEGSPFRFPSPFSAVFDEQPIASSGTYNLDFDNLVD 399
| : : : : : : : : : : : : : : : : : : : : : : : : : : : :

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QY 109 SYNEEPACDADADE-----DDVH-----NPGYLV 134
Db 400 TFOLEPRASDAKQKQKVNTRKRSVPSKSTLSRSLQASDFDGASSGNPEAVA 459
QY 135 VLPD-----STPAT-----TAAPSAPAL-----STPGIRDSAFSMESIDDDVNVNP 175
Db 460 LAPDAYSTGSSASSTLKRKKRPPSLKKKQTKTTPPVKE---TQQEDDESPLV 516
QY 176 ESGESAELSDGSEYVNVSOELHPGAATE---PAALSSQAE 216
Db 517 -SGE-----NLASETKTESAKTEGSPALLEETPLE 546
RESULT 21
US-08-194-468-2
; Sequence 2, Application US/08194468
; Patent No. 5750336
; GENERAL INFORMATION:
; APPLICANT: Montminy, Marc R.
; TITLE OF INVENTION: ASSAYS FOR THE IDENTIFICATION OF
; TITLE OF INVENTION: COMPOUNDS WHICH INHIBIT ACTIVATION OF CAMP AND MITOGEN
; TITLE OF INVENTION: RESPONSIVE GENES
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
; STREET: 444 South Flower Street, Suite 2000
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/194,468
; FILING DATE: 10-FEB-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter, Stephen E.
; REGISTRATION NUMBER: 31,192
; REFERENCE/DOCKET NUMBER: P41 9672
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619)-546-4737
; TELEFAX: (619)-546-9392
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2441 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-194-468-2
Query Match 8.5%; Score 104; DB 1; Length 2441;
Best Local Similarity 25.8%; Pred. No. 2.5;
Matches 54; Conservative 18; Mismatches 79; Indels 58; Gaps 10;
QY 33 PGSDYDSTSDSLYPRGIQFKRPHTVAPWP--PAYPPVTSYPLSQPDLPIPRSPQLGG 90
Db 904 PGSVPSAAQTOSTPT-VQAAQAQVTPQPTVPQPSVATPQSSQQ--PTPVHTQPPG- 959
QY 91 SHRTPSSRRSDGANSVASYNEEPACDADEDEDYHNPGLVVLDPSTPATSTAAPSA 150
Db 960 ---TPLSQ-----AAASIDNRVP-----TPSTVTSAETS 985
QY 151 PALSTPGIRDSAFSMESIDDDVNVVPESGES-----AEASLDGSEYVNVSOELHPGA 202
Db 986 SQQPGDPVPMLEKTEVTQDDAE-PEPTESKGEPRSEMMEEDLQSSQ---VKEETDTTE 1041
QY 203 AKTEPAALSSQ-----EAEVEEBEGAPD 225
Db 1042 QKSEPMVEVEKKPEVKVKAKEEENSND 1070
RESULT 22
US-08-961-739-2
; Sequence 2, Application US/08961739A
; Patent No. 6083583
; GENERAL INFORMATION:
; APPLICANT: Montminy, Marc R.
; TITLE OF INVENTION: Methods for Treating Diabetes Mellitus
; FILE REFERENCE: SALK1650-1
; CURRENT APPLICATION NUMBER: US/08/961,739A
; CURRENT FILING DATE: 1997-10-31
; EARLIER APPLICATION NUMBER: US 194,468
; EARLIER FILING DATE: 1994-02-10
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 2441
; TYPE: PRT
; ORGANISM: Mus
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)---(2441)
; OTHER INFORMATION: Xaa = Any Amino Acid
; US-08-961-739-2
Query Match 8.5%; Score 104; DB 3; Length 2441;
Best Local Similarity 25.8%; Pred. No. 2.5;
Matches 54; Conservative 18; Mismatches 79; Indels 58; Gaps 10;
QY 33 PGSDYDSTSDSLYPRGIQFKRPHTVAPWP--PAYPPVTSYPLSQPDLPIPRSPQLGG 90
Db 904 PGSVPSAAQTOSTPT-VQAAQAQVTPQPTVPQPSVATPQSSQQ--PTPVHTQPPG- 959
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Db 986 SQQPGDPVPMLEKTEVTQDDAE-PEPTESKGEPRSEMMEEDLQSSQ---VKEETDTTE 1041
QY 203 AKTEPAALSSQ-----EAEVEEBEGAPD 225
Db 1042 QKSEPMVEVEKKPEVKVKAKEEENSND 1070
RESULT 23
US-09-514-247A-8
; Sequence 8, Application US/09514247A
; Patent No. 6365361
; GENERAL INFORMATION:
; APPLICANT: TANABE SEIYAKU CO. LTD.
; APPLICANT: TANIGUCHI, Tomoyasu
; APPLICANT: MIZUKAMI, Junko
; TITLE OF INVENTION: METHOD FOR IDENTIFYING OR SCREENING AGONIST AND ANTAGONIST TO PI
; FILE REFERENCE: TANIGUCHI=6
; CURRENT APPLICATION NUMBER: US/09/514,247A
; CURRENT FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: PCT/JP98/03734
; PRIOR FILING DATE: 1998-08-24
; PRIOR APPLICATION NUMBER: JP231084/1997
; PRIOR FILING DATE: 1997-08-27
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 2441
; TYPE: PRT
; ORGANISM: mouse
; US-09-514-247A-8
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QY 176 ESGESAELSDGSEYVNVSOELHPGAATE---PAALSSQAE 216
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US-08-194-468-2
; Sequence 2, Application US/08194468
; Patent No. 5750336
; GENERAL INFORMATION:
; APPLICANT: Montminy, Marc R.
; TITLE OF INVENTION: ASSAYS FOR THE IDENTIFICATION OF
; TITLE OF INVENTION: COMPOUNDS WHICH INHIBIT ACTIVATION OF CAMP AND MITOGEN
; TITLE OF INVENTION: RESPONSIVE GENES
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
; STREET: 444 South Flower Street, Suite 2000
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/194,468
; FILING DATE: 10-FEB-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter, Stephen E.
; REGISTRATION NUMBER: 31,192
; REFERENCE/DOCKET NUMBER: P41 9672
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619)-546-4737
; TELEFAX: (619)-546-9392
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
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; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-194-468-2
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Matches 54; Conservative 18; Mismatches 79; Indels 58; Gaps 10;
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QY 151 PALSTPGIRDSAFSMESIDDDVNVVPESGES-----AEASLDGSEYVNVSOELHPGA 202
Db 986 SQQPGDPVPMLEKTEVTQDDAE-PEPTESKGEPRSEMMEEDLQSSQ---VKEETDTTE 1041
QY 203 AKTEPAALSSQ-----EAEVEEBEGAPD 225
Db 1042 QKSEPMVEVEKKPEVKVKAKEEENSND 1070
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US-08-961-739-2
; Sequence 2, Application US/08961739A
; Patent No. 6083583
; GENERAL INFORMATION:
; APPLICANT: Montminy, Marc R.
; TITLE OF INVENTION: Methods for Treating Diabetes Mellitus
; FILE REFERENCE: SALK1650-1
; CURRENT APPLICATION NUMBER: US/08/961,739A
; CURRENT FILING DATE: 1997-10-31
; EARLIER APPLICATION NUMBER: US 194,468
; EARLIER FILING DATE: 1994-02-10
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; SOFTWARE: FastSeq for Windows Version 4.0
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; LENGTH: 2441
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; ORGANISM: Mus
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; LOCATION: (1)---(2441)
; OTHER INFORMATION: Xaa = Any Amino Acid
; US-08-961-739-2
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QY 91 SHRTPSSRRSDGANSVASYNEEPACDADEDEDYHNPGLVVLDPSTPATSTAAPSA 150
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Db 1042 QKSEPMVEVEKKPEVKVKAKEEENSND 1070
RESULT 23
US-09-514-247A-8
; Sequence 8, Application US/09514247A
; Patent No. 6365361
; GENERAL INFORMATION:
; APPLICANT: TANABE SEIYAKU CO. LTD.
; APPLICANT: TANIGUCHI, Tomoyasu
; APPLICANT: MIZUKAMI, Junko
; TITLE OF INVENTION: METHOD FOR IDENTIFYING OR SCREENING AGONIST AND ANTAGONIST TO PI
; FILE REFERENCE: TANIGUCHI=6
; CURRENT APPLICATION NUMBER: US/09/514,247A
; CURRENT FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: PCT/JP98/03734
; PRIOR FILING DATE: 1998-08-24
; PRIOR APPLICATION NUMBER: JP231084/1997
; PRIOR FILING DATE: 1997-08-27
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 2441
; TYPE: PRT
; ORGANISM: mouse
; US-09-514-247A-8
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QY 91 SHRTPSRRSDSGANSVAYENEEPACEDADEDEDYHNPGLVWLVPDSTPATSTAPSA 150
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QY 151 PALSTPGIRDSAFMSIESIDYVNVPSGES-----AEASLDGSRVYVNVSOELHPGA 202
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QY 203 AKTEPAALSSQ-----EAEVEEEGAPD 225
DDB 1042 QKSEPMEVEEKKPEVKVEAKEEENSND 1070

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; Sequence 2, Application US/09686316
; Patent No. 6646115
; GENERAL INFORMATION:
; APPLICANT: Montminy, Marc R.
; TITLE OF INVENTION: Methods for Treating Diabetes Mellitus
; FILE REFERENCE: SALK1650-1
; CURRENT APPLICATION NUMBER: US/09/686,316
; CURRENT FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: US/08/961,739
; PRIOR FILING DATE: 1997-10-31
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US-09-686-316-2

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RESULT 25
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; Sequence 10, Application US/09514247A
; Patent No. 6365361
; GENERAL INFORMATION:
; APPLICANT: TANABE SEIYAKU CO. LTD.

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; APPLICANT: TANIGUCHI, Tomoyasu
; APPLICANT: MIZUKAMI, Junko
; TITLE OF INVENTION: METHOD FOR IDENTIFYING OR SCREENING AGONIST AND ANTAGONIST TO PI
; FILE REFERENCE: TANIGUCHI=6
; CURRENT APPLICATION NUMBER: US/09/514,247A
; CURRENT FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: PCT/JP98/03734
; PRIOR FILING DATE: 1998-08-24
; PRIOR APPLICATION NUMBER: JP231084/1997
; PRIOR FILING DATE: 1997-08-27
; NUMBER OF SEQ ID NOS: 10
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; TYPE: PRT
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; US-09-514-247A-10

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Job time : 48 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

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(Without alignments)

587.286 Million cell updates/sec

Title: US-09-597-920B-4

Perfect score: 1227

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Searched: 1867879 seqs, 418409474 residues

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Maximum Match 100%

Listing first 100 summaries

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Published Applications AA.*
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

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2	262.5	21.4	Sequence 58, Appl
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4	262.5	21.4	Sequence 106, Appl
5	262.5	21.4	Sequence 106, Appl
6	262.5	21.4	Sequence 106, Appl
7	123.5	10.1	Sequence 174234, A
8	120.5	9.8	Sequence 174234, A
9	120.5	9.8	Sequence 146700, A
10	117	9.5	Sequence 19497, A
11	116	9.5	Sequence 43, Appl

12	114.5	9.3	838	20	US-11-097-143-38436	Sequence 38436, A
13	114.5	9.3	1000	14	US-10-128-714-3305	Sequence 3305, Ap
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Sequence 165453,
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Sequence 18428, A
Sequence 18429, A
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Sequence 631, App
Sequence 633, App
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ALIGNMENTS

RESULT 1
US-10-935-098-58
; Sequence 58, Application US/10935098
; Publication No. US20050042667A1
; GENERAL INFORMATION:
; APPLICANT: Lafleur et al.
; TITLE OF INVENTION: 36 Human Secreted Proteins
; FILE REFERENCE: P2022P1C3
; CURRENT APPLICATION NUMBER: US/10/935.098
; CURRENT FILING DATE: 2004-09-08
; PRIOR APPLICATION NUMBER: 09/938,671
; PRIOR FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 09/739,907
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 09/348,457
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/00108
; PRIOR FILING DATE: 1999-01-06
; PRIOR APPLICATION NUMBER: 60/070,657
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; PRIOR APPLICATION NUMBER: 60/070,692
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; NUMBER OF SEQ ID NOS: 196
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 58
; LENGTH: 101
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-935-098-58

Query Match 21.4%; Score 262.5; DB 17; Length 101;
Best Local Similarity 65.5%; Pred. No. 6.4e-13;
Matches 57; Conservative 2; Mismatches 19; Indels 9; Gaps 2;
Qy 1 MEEAILVPCVLGLLLPILAMLMALCVHCHRLPGSYDSTSSDLSYPRGQFKRPHYAPW 60
Db 1 MEEAILVPCVLGLLLPILAMLMALCVHCHRLPGSYDSTSSDLSYPRGQFKRPHYAPW 54
Qy 61 PPAYPPVTSYPPLSQPDLLPIRSPQ 87
Db 55 SHGCPATCLPTC---HLLTPEPARP 78

RESULT 2
US-09-739-907-58
; Sequence 58, Application US/09739907
; Patent No. US20010012889A1
; GENERAL INFORMATION:

; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 36 Human Secreted Proteins
; FILE REFERENCE: P2022P1
; CURRENT APPLICATION NUMBER: US/09/739,907
; CURRENT FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 09/348,457
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: 60/070,567
; PRIOR FILING DATE: 1998-01-07
; PRIOR APPLICATION NUMBER: 60/070,692
; PRIOR FILING DATE: 1998-01-07
; PRIOR APPLICATION NUMBER: 60/070,704
; PRIOR FILING DATE: 1998-01-07
; PRIOR APPLICATION NUMBER: 60/070,658
; PRIOR FILING DATE: 1998-01-07
; NUMBER OF SEQ ID NOS: 196
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 58
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (102)
; OTHER INFORMATION: Xaa equals stop translation
US-09-739-907-58

Query Match 21.4%; Score 262.5; DB 9; Length 102;
Best Local Similarity 65.5%; Pred. No. 6.5e-13;
Matches 57; Conservative 2; Mismatches 19; Indels 9; Gaps 2;

Qy 1 MEEAILVPCVLGLLLPILAMLMALCVHCHRLPGSYDSTSSDLSYPRGQFKRPHYAPW 60
Db 1 MEEAILVPCVLGLLLPILAMLMALCVHCHRLPGSYDSTSSDLSYPRGQFKRPHYAPW 54
Qy 61 PPAYPPVTSYPPLSQPDLLPIRSPQ 87
Db 55 SHGCPATCLPTC---HLLTPEPARP 78

RESULT 3
US-09-938-671-58
; Sequence 58, Application US/09938671
; Publication No. US20040002066A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 36 Human Secreted Proteins
; FILE REFERENCE: P2022P1
; CURRENT APPLICATION NUMBER: US/09/938,671
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 09/348,457
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: 60/070,567
; PRIOR FILING DATE: 1998-01-07
; PRIOR APPLICATION NUMBER: 60/070,692
; PRIOR FILING DATE: 1998-01-07
; PRIOR APPLICATION NUMBER: 60/070,704
; PRIOR FILING DATE: 1998-01-07
; PRIOR APPLICATION NUMBER: 60/070,658
; PRIOR FILING DATE: 1998-01-07
; NUMBER OF SEQ ID NOS: 196
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 58
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (102)
; OTHER INFORMATION: Xaa equals stop translation
US-09-938-671-58

Query Match 21.4%; Score 262.5; DB 11; Length 102;

APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 174234
LENGTH: 311
TYPE: PRT
ORGANISM: Oryza sativa
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(311)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_72195C.1.pep
US-10-437-963-174234
Query Match 10.1%; Score 123.5; DB 16; Length 311;
Best Local Similarity 23.1%; Pred. No. 0.19;
Matches 46; Conservative 30; Mismatches 84; Indels 39; Gaps 6;
QY 60 WPPAYPPVTSYPLSQPD---LLPIRSPQPLGGSHRTSPSRRSDSGANSVASVSENEEPA 116
DB 53 WAPAPLTRSWADVEDDDDDYFATTAPPRVWGTTHHAADHDDHDEQAALQELESE 112
QY 117 CEDADEDEDDYHNGYLVLPDSTPA---TSTAAPSAPALSTPG----- 157
DB 113 DEEVDDDAEDEHEH-----ETEDATPAEPAMKAAAPAPPKDTERQLSKKELKKELEEL 168
QY 158 ---TRDSAFSIESIDYVNPESGESASALDGRSREYVNVNSQELHPGAATKTEPAALSSQE 214
DB 169 DALLAELELSKSNNDNAQNETNGKGAQAADGE-----NKEGAPAPAESK-----SSKK 218
QY 215 AEEVEEGAPDYENIQELN 233
DB 219 KKAKKDKSAKEATQELN 237
RESULT 8
US-10-425-114-63228
Sequence 63228, Application US/10425114
Publication No. US20040034888A1
GENERAL INFORMATION:
APPLICANT: Liu, Jingdong
APPLICANT: Zhou, Yihua
APPLICANT: Kovalic, David K.
APPLICANT: Screen, Steven E
APPLICANT: Tabaska, Jack E
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(5313)B
CURRENT APPLICATION NUMBER: US/10/425,114
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 63228
LENGTH: 371
TYPE: PRT
ORGANISM: Zea mays
FEATURE:
OTHER INFORMATION: Clone ID: LIB3180-024-A2_FLI.pep
US-10-425-114-63228
Query Match 9.8%; Score 120.5; DB 15; Length 371;

Best Local Similarity 25.2%; Pred. No. 0.41;
Matches 62; Conservative 31; Mismatches 102; Indels 51; Gaps 11;
QY 10 VLGLLLLPILMLMALCVHCH---RLPGSYDSTSDSLYPRGIQFKRPHTVAPW-PPAYP 65
DB 11 VLAGILLALVA--MAVAVHAHAPAHSPASEST-SFSEAPAGAPDDAREMETPWNSPA 67
QY 66 PVTSPPLSQPDLLPIRSPQPLGGSHRTSPSRRSDSGANSVA-SYENEPEAC-----ED 119
DB 68 PV-----LYGENAAPAASPEEGAPAMAPGDFANGPAAASPEEED 107
QY 120 ABEDEDDYHNGYLVLPDSTPATSTAA---PSAPALSTPGIRDSAFSIESIDYVNVPE 176
DB 108 ATAMAPDYDANGPTAASPEEYAPAMAPDYDANGPAAASPEVEAPTMAPDLSPSASESE 167
QY 177 SGE-----SAAESLDGRSREYVNVNSQELHPGAAC-----TEPAALSSQEAEEVEE--E 221
DB 168 EAPTMAPDLSPSASEAPEEAPTMAPDLSPSASEAPEEELPTMAPDLSPVASESPETPA 227
QY 222 GAPDYE 227
DB 228 GAPEFE 233
RESULT 9
US-10-437-963-146700
Sequence 146700, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 146700
LENGTH: 468
TYPE: PRT
ORGANISM: Oryza sativa
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(468)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_4729C.1.pep
US-10-437-963-146700
Query Match 9.8%; Score 120.5; DB 16; Length 468;
Best Local Similarity 24.9%; Pred. No. 0.55;
Matches 54; Conservative 28; Mismatches 82; Indels 53; Gaps 7;
QY 31 RLPGSYDSTSDSLYPRGIQFKRPHTVAPWPPAYPPVTSYPLSQPDLLPIRSPQPLGG 90
DB 6 RRGSG-----LARGQWARRRREVARMLEELAPTGTSETTXERMPKRVVK----- 53
QY 91 SHRTSPSRRSDSGANSVASVSENEPEACEDADEDDYHNGYLVLPDSTPATSTAAPSA 150
DB 54 --EKVVRKESDAGPDMAAEEGAEPASVAEDGE-----QAPSPQPSAPAPSQS-SA 104
QY 151 PALSTPGIRDSAFSIESIDYVNPESGESAEA-----SLDGRSREYVNVNSQELHPGAATK 205
DB 105 PATS-----VQVPNTADVAKAAAVARALQTRAENLSTNQLVVPQAAPS 147
QY 206 EPAA-----LSSQEAEEVEEGAPDYENIQEL 232

Db 148 QPAAPTALAVVQAOISLDPAAQAEADMEARRQNTRL 184

RESULT 10

US-11-097-143-19497

Sequence 19497, Application US/11097143

Publication No. US20050208558A1

GENERAL INFORMATION:

APPLICANT: Venter, J. Craig

APPLICANT: et al.

TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE

TITLE OF INVENTION: DROSOPHILA GENES.

FILE REFERENCE: CL000728

CURRENT APPLICATION NUMBER: US/11/097,143

CURRENT FILING DATE: 2005-04-04

PRIOR APPLICATION NUMBER: 60/157,832

PRIOR FILING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: 60/160,191

PRIOR FILING DATE: 1999-10-19

PRIOR APPLICATION NUMBER: 60/161,932

PRIOR FILING DATE: 1999-10-28

PRIOR APPLICATION NUMBER: 60/164,769

PRIOR FILING DATE: 1999-11-12

PRIOR APPLICATION NUMBER: 60/173,383

PRIOR FILING DATE: 1999-12-28

PRIOR APPLICATION NUMBER: 60/175,693

PRIOR FILING DATE: 2000-01-12

PRIOR APPLICATION NUMBER: 60/184,831

PRIOR FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: 60/191,637

PRIOR FILING DATE: 2000-03-23

NUMBER OF SEQ ID NOS: 43008

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 19497

LENGTH: 1061

TYPE: PRT

ORGANISM: DROSOPHILA

US-11-097-143-19497

Query Match

Best Local Similarity 9.5%; Score 117; DB 20; Length 1061;

Matches 59; Conservative 33; Mismatches 92; Indels 88; Gaps 13;

QY 27 VHCRLPGSYDST-----SSDSLYPRGQFKRPHTV-----APWPPAYPPVTS 69

Db 418 VECDTLPGNYSTIINAPNGTYGSKAEISCPGVRMEGPRVLTCIASQWSSALPRCIK 477

QY 70 YPPLSQP---DLLPIPRS---POPL-----GSHRTP-----SSRRDSDGANSYAS 109

Db 478 LEPSTQPTAASIPVSSVATPPFPKPVSVSTTSRTPYRPVAVSTASSIGGSSTSTVGT 537

QY 110 YENEEPA---CEDADEDDYH-----NPGYLVLPDSTPAT-----143

Db 538 YPSSLPTQVEINGESESEIEINVPVPGTVREFFPRRTVRVLPKPKNSTPALPPTT 597

QY 144 -----STAAPSAPALSTP-GIRDSAFMSIDYV-----NVPESGESAEASLDGS 188

Db 598 HQVPPQPPSTYAPTTPRPSRPSGAPNSAGEVETTRNTQOIIANGHPQDNKIPDS-----652

QY 189 REVNVVSQELHPGAAKTEPAALSSQAEVEE 220

Db 653 ----VNIQQQSNV---NVPFVDNDPRKETKE 679

RESULT 11

US-10-367-057-43

Sequence 43, Application US/10367057

Publication No. US20050100554A1

GENERAL INFORMATION:

APPLICANT: Cuthill, Scott;

APPLICANT: Jackson, Amanda;

APPLICANT: Lewin, David A.;

APPLICANT: Ooi, Chean Eng

TITLE OF INVENTION: Complexes and Methods of Using Same

FILE REFERENCE: 21402-559

CURRENT APPLICATION NUMBER: US/10/367,057

CURRENT FILING DATE: 2003-02-14

PRIOR APPLICATION NUMBER: 60/256,911

PRIOR FILING DATE: 2002-02-14

NUMBER OF SEQ ID NOS: 198

SOFTWARE: CuraseqList version 0.1

SEQ ID NO 43

LENGTH: 2127

TYPE: PRT

ORGANISM: Homo sapiens

US-10-367-057-43

Query Match

Best Local Similarity 9.5%; Score 116; DB 17; Length 2127;

Matches 52; Conservative 20; Mismatches 85; Indels 52; Gaps 7;

QY 35 SYDSTSSDSLYPRGQFKRPHTVAPWPPAYPPVTSYPPLSQPDLLPIPRSPQ-PLGGSHR 93

Db 1477 SFGSQQTNSTVP-----PSAPPPTTAATPLTFSFPTLSFGSLSSATTPLSPMSAGRS 1529

QY 94 T-----PSRRDSDGANSVASYENEPACEDADEDDYHNPGLVVLDPDSTPATST 145

Db 1530 TEEATSSALPEKPGDSEVSASAAALLERQSSAQ-----LPQAPPQTS 1572

QY 146 AAPSAPALSTPGIRDS-----AFSMESIDYVNVPESESASAEASLDGSREYVNV 195

Db 1573 SVYKEPVLQAQPAVNSGTAASTLSVALSAETPATTTGVPDA--RTEAVPPASSFSFV 1627

QY 196 QELHPGAAKTEPAALSSQAEVEE 224

Db 1628 ----FGQTAVTAAAISSAGPVAVETSTTP 1652

RESULT 12

US-11-097-143-38436

Sequence 38436, Application US/11097143

Publication No. US20050208558A1

GENERAL INFORMATION:

APPLICANT: Venter, J. Craig

APPLICANT: et al.

TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE

FILE REFERENCE: CL000728

CURRENT APPLICATION NUMBER: US/11/097,143

CURRENT FILING DATE: 2005-04-04

PRIOR APPLICATION NUMBER: 60/157,832

PRIOR FILING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: 60/160,191

PRIOR FILING DATE: 1999-10-19

PRIOR APPLICATION NUMBER: 60/161,932

PRIOR FILING DATE: 1999-10-28

PRIOR APPLICATION NUMBER: 60/164,769

PRIOR FILING DATE: 1999-11-12

PRIOR APPLICATION NUMBER: 60/173,383

PRIOR FILING DATE: 1999-12-28

PRIOR APPLICATION NUMBER: 60/175,693

PRIOR FILING DATE: 2000-01-12

PRIOR APPLICATION NUMBER: 60/184,831

PRIOR FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: 60/191,637

PRIOR FILING DATE: 2000-03-23

NUMBER OF SEQ ID NOS: 43008

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 38436

LENGTH: 838

TYPE: PRT

ORGANISM: DROSOPHILA

US-11-097-143-38436

; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 69392
; LENGTH: 735
; TYPE: PRT
; ORGANISM: Pseudomonas syringae
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (445)..(445)
; OTHER INFORMATION: X=any amino acid
US-10-282-122A-69392

Query Match 9.3%; Score 113.5; DB 15; Length 735;
Best Local Similarity 26.7%; Pred. No. 3.4;
Matches 55; Conservative 22; Mismatches 80; Indels 49; Gaps 11;
QY 53 RPHTVAPWPYPVTSYPLSQPDLPIPRGPQP-----LGGSHRTSSRRDSG---- 103
Db 413 QPAPAPAPAAVQPEAKAP--APQIKPEP-EPQXTQACARRNSAVERVESAGRKA 469
QY 104 -----ANSVASYENE-----EPACEDADEDDYHNGYLVLPDSTPATSTA 146
Db 470 CRARARARARASCAVEAEQPEPVAEPVLETVSEQPD-----LTPMPAPAPASP 520
QY 147 APSAP-ALSTGIRDSAFS---MESIDD--YNNVPESGESASLDGSRVYNNVQELHP 200
Db 521 VPDAPQAPSPVVEEQVTPAMLEAIPDSAYLSAPMDRDEPPADD---DYVEPDIDDP 577
QY 201 GAAK--TEPAALSSQEAEREVEEGAP 224
Db 578 ASYSYLDLAHESVVELEAVEPEAP 603

RESULT 16
US-11-097-143-9768
; Sequence 9768, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769

; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9768
; LENGTH: 1186
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-9768

Query Match 9.3%; Score 113.5; DB 20; Length 1186;
Best Local Similarity 24.8%; Pred. No. 6.1;
Matches 52; Conservative 24; Mismatches 83; Indels 51; Gaps 8;
QY 48 GIQFKRPHTVAPWPYPVTSYPLSQPD-----LLPIPRS---POPL 88
Db 301 GIAHSRD---APW--AKVPVTSTTPAQDPDPNPDELDEFFYDDVDFLTTRVNLVPPPF 355
QY 89 GGSHTPSRRSDSGANSVASYENEEPCEDA-----DEDEDDYHNPGLVY 135
Db 356 DHKFYSPQSTNPFSINRQSGSPNSQAAIKEALKMLRPYFNHSGNAQEQLAQAESAIV 415
QY 136 LPDSTPATSTAAPSAPALSTPCIRDSAF-----SMESIDDYNNVPESGESA--E 182
Db 416 SVISKPSTTTTTTTPRTSKTPK-TDPDFDAELIKAGEQESLDSVDDYVFPDARETSRTE 474
QY 183 ASLDSGREYNNVQELHPGAAKTEPAALSS 212
Db 475 QTLDPSTTYASTNFORSTRRAELDPDTLTA 504

RESULT 17
US-10-473-127-634
; Sequence 634, Application US/10473127
; Publication No. US20040236091A1
; GENERAL INFORMATION:
; APPLICANT: Zycos Inc.
; TITLE OF INVENTION: TRANSLATIONAL PROFILING
; FILE REFERENCE: 08191-026WO1
; CURRENT APPLICATION NUMBER: US/10/473,127
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 60/279,495
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: 60/292,544
; PRIOR FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: 60/310,801
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/326,370
; PRIOR FILING DATE: 2001-10-01
; PRIOR APPLICATION NUMBER: 60/336,780
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/358,985
; PRIOR FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 2041
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 634
; LENGTH: 2414
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-473-127-634

Query Match 9.3%; Score 113.5; DB 16; Length 2414;
; Best Local Similarity 24.2%; Pred. No. 15;
Matches 55; Conservative 24; Mismatches 103; Indels 45; Gaps 9;
QY 27 VHCHRLFGSYDSTSSSLYPRGIGQFKRPHTVAPWPPA-YPPVTSYP-PLSQPDLPIPRS 84

```
Db 817 IHCPLPQALHQNPSVPVS--RTPTPHHTPPSIGAQPPATTIPAPVTPPAMPGPQ 874
Qy 85 PQLGGSHRTFSSRRSDGANSVASYENEPACEDADEDDYHNPGLVLPDSTPATS 144
Db 875 SQAL---HPPPRQTPTTQLPQOVQPSLPAAPSADQPQQ-----PRSQQSTA 921
Qy 145 TAAPS-----HPGAKTEPAALSQEAEEVEEGAPDYENLQEL 232
Db 922 ASVPTPNAPLLPPQAPATLSQPAV-----SIEGQVSNPPSTSTEVNSQAIAE-KQP 972
Qy 195 SQEL-----HPGAKTEPAALSQEAEEVEEGAPDYENLQEL 232
Db 973 SQEVKMEAKMEVDQPEADTQPEDISESKVEDCKMESTETERSTEL 1019
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```
RESULT 18
US-10-473-127-641
; Sequence 641, Application US/10473127
; Publication No. US20040236091A1
; GENERAL INFORMATION:
; APPLICANT: Zycos Inc.
; TITLE OF INVENTION: TRANSLATIONAL PROFILING
; FILE REFERENCE: 08191-026W01
; CURRENT APPLICATION NUMBER: US/10/473,127
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 60/279,495
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: 60/292,544
; PRIOR FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: 60/310,801
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/326,370
; PRIOR FILING DATE: 2001-10-01
; PRIOR APPLICATION NUMBER: 60/336,780
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/358,985
; PRIOR FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 2041
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 641
; LENGTH: 2414
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-473-127-641
```

```
Query Match 9.3%; Score 113.5; DB 16; Length 2414;
Best Local Similarity 24.2%; Pred. No. 15;
Matches 55; Conservative 24; Mismatches 103; Indels 45; Gaps 9;

Qy 27 VHCRLPGSYDSTSSDLSYPRGIQFKRPHTVAPWPPA-YPPVTSYP-PLSQPDLLPIPRS 84
Db 817 IHCPLPQALHQNPSVPVS--RTPTPHHTPPSIGAQPPATTIPAPVTPPAMPGPQ 874
Qy 85 PQLGGSHRTFSSRRSDGANSVASYENEPACEDADEDDYHNPGLVLPDSTPATS 144
Db 875 SQAL---HPPPRQTPTTQLPQOVQPSLPAAPSADQPQQ-----PRSQQSTA 921
Qy 145 TAAPS-----HPGAKTEPAALSQEAEEVEEGAPDYENLQEL 194
Db 922 ASVPTPNAPLLPPQAPATLSQPAV-----SIEGQVSNPPSTSTEVNSQAIAE-KQP 972
Qy 195 SQEL-----HPGAKTEPAALSQEAEEVEEGAPDYENLQEL 232
Db 973 SQEVKMEAKMEVDQPEADTQPEDISESKVEDCKMESTETERSTEL 1019
```

```
RESULT 19
US-10-473-127-642
; Sequence 642, Application US/10473127
; Publication No. US20040236091A1
; GENERAL INFORMATION:
; APPLICANT: Zycos Inc.
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; TITLE OF INVENTION: TRANSLATIONAL PROFILING
; FILE REFERENCE: 08191-026W01
; CURRENT APPLICATION NUMBER: US/10/473,127
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 60/279,495
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: 60/292,544
; PRIOR FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: 60/310,801
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/326,370
; PRIOR FILING DATE: 2001-10-01
; PRIOR APPLICATION NUMBER: 60/336,780
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/358,985
; PRIOR FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 2041
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 642
; LENGTH: 2414
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-473-127-642
```

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Query Match 9.3%; Score 113.5; DB 16; Length 2414;
Best Local Similarity 24.2%; Pred. No. 15;
Matches 55; Conservative 24; Mismatches 103; Indels 45; Gaps 9;

Qy 27 VHCRLPGSYDSTSSDLSYPRGIQFKRPHTVAPWPPA-YPPVTSYP-PLSQPDLLPIPRS 84
Db 817 IHCPLPQALHQNPSVPVS--RTPTPHHTPPSIGAQPPATTIPAPVTPPAMPGPQ 874
Qy 85 PQLGGSHRTFSSRRSDGANSVASYENEPACEDADEDDYHNPGLVLPDSTPATS 144
Db 875 SQAL---HPPPRQTPTTQLPQOVQPSLPAAPSADQPQQ-----PRSQQSTA 921
Qy 145 TAAPS-----HPGAKTEPAALSQEAEEVEEGAPDYENLQEL 194
Db 922 ASVPTPNAPLLPPQAPATLSQPAV-----SIEGQVSNPPSTSTEVNSQAIAE-KQP 972
Qy 195 SQEL-----HPGAKTEPAALSQEAEEVEEGAPDYENLQEL 232
Db 973 SQEVKMEAKMEVDQPEADTQPEDISESKVEDCKMESTETERSTEL 1019
```

```
RESULT 20
US-10-473-127-644
; Sequence 644, Application US/10473127
; Publication No. US20040236091A1
; GENERAL INFORMATION:
; APPLICANT: Zycos Inc.
; TITLE OF INVENTION: TRANSLATIONAL PROFILING
; FILE REFERENCE: 08191-026W01
; CURRENT APPLICATION NUMBER: US/10/473,127
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 60/279,495
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: 60/292,544
; PRIOR FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: 60/310,801
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/326,370
; PRIOR FILING DATE: 2001-10-01
; PRIOR APPLICATION NUMBER: 60/336,780
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/358,985
; PRIOR FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 2041
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 644
; LENGTH: 2414
; TYPE: PRT
; ORGANISM: Homo sapiens
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US-10-473-127-644

```
Query Match          9.3%; Score 113.5; DB 16; Length 2414;
Best Local Similarity 24.2%; Pred. No. 15;
Matches 55; Conservative 24; Mismatches 103; Indels 45; Gaps 9;

QY 27 VHCHRLPGSYDSTSSDLSYPRGQFKRPHTVAPWPPA-YPPVTSYP-PLSQPDLLPIPRS 84
Db 817 IHCPLQPPALHQNSPSVPFS--RTPTPHHTPPSIGAQPPATTIPAPVPTPPAMPGGPQ 874

QY 85 PQLGGSHRTPSSRRSDGANSVASVYENEEEPACEDADEDDYHNPGLVVLDPSTPATS 144
Db 875 SQAL---HPPPRQTPTPTTQLPQQVQPSLPAAPSADQPQQ-----PRSQQSTA 921

QY 145 TAAPS-----APALSTPGIRDSAFSMESIDYVNVPSGESAEASLDGSGREYVNV 194
Db 922 ASVPTPNAPLLPPQPATPLSQPAV-----SIEGOVSNPPTSSTEVNSQAIAE-KQP 972

QY 195 SQEL-----HPGAAKTEPAALSQAEEVEEBEGADYENLQEL 232
Db 973 SQEVKMEARMEVDQPEADTQPEDISESKVEDCKMESTETERSTEL 1019
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RESULT 21

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US-10-473-127-646
; Sequence 646, Application US/10473127
; Publication No. US20040236091A1
; GENERAL INFORMATION:
; APPLICANT: Zycos Inc.
; TITLE OF INVENTION: TRANSLATIONAL PROFILING
; FILE REFERENCE: 08191-026W01
; CURRENT APPLICATION NUMBER: US/10/473,127
; PRIOR FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 60/279,495
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: 60/292,544
; PRIOR FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: 60/310,801
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/326,370
; PRIOR FILING DATE: 2001-10-01
; PRIOR APPLICATION NUMBER: 60/336,780
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/358,985
; PRIOR FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 2041
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 646
; LENGTH: 2414
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-473-127-646
```

```
Query Match          9.3%; Score 113.5; DB 16; Length 2414;
Best Local Similarity 24.2%; Pred. No. 15;
Matches 55; Conservative 24; Mismatches 103; Indels 45; Gaps 9;

QY 27 VHCHRLPGSYDSTSSDLSYPRGQFKRPHTVAPWPPA-YPPVTSYP-PLSQPDLLPIPRS 84
Db 817 IHCPLQPPALHQNSPSVPFS--RTPTPHHTPPSIGAQPPATTIPAPVPTPPAMPGGPQ 874

QY 85 PQLGGSHRTPSSRRSDGANSVASVYENEEEPACEDADEDDYHNPGLVVLDPSTPATS 144
Db 875 SQAL---HPPPRQTPTPTTQLPQQVQPSLPAAPSADQPQQ-----PRSQQSTA 921

QY 145 TAAPS-----APALSTPGIRDSAFSMESIDYVNVPSGESAEASLDGSGREYVNV 194
Db 922 ASVPTPNAPLLPPQPATPLSQPAV-----SIEGOVSNPPTSSTEVNSQAIAE-KQP 972

QY 195 SQEL-----HPGAAKTEPAALSQAEEVEEBEGADYENLQEL 232
Db 973 SQEVKMEARMEVDQPEADTQPEDISESKVEDCKMESTETERSTEL 1019
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RESULT 22

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US-10-732-923-18449
; Sequence 18449, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgercon, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 18449
; LENGTH: 2414
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-732-923-18449

Query Match          9.3%; Score 113.5; DB 17; Length 2414;
Best Local Similarity 24.2%; Pred. No. 15;
Matches 55; Conservative 24; Mismatches 103; Indels 45; Gaps 9;

QY 27 VHCHRLPGSYDSTSSDLSYPRGQFKRPHTVAPWPPA-YPPVTSYP-PLSQPDLLPIPRS 84
Db 817 IHCPLQPPALHQNSPSVPFS--RTPTPHHTPPSIGAQPPATTIPAPVPTPPAMPGGPQ 874

QY 85 PQLGGSHRTPSSRRSDGANSVASVYENEEEPACEDADEDDYHNPGLVVLDPSTPATS 144
Db 875 SQAL---HPPPRQTPTPTTQLPQQVQPSLPAAPSADQPQQ-----PRSQQSTA 921

QY 145 TAAPS-----APALSTPGIRDSAFSMESIDYVNVPSGESAEASLDGSGREYVNV 194
Db 922 ASVPTPNAPLLPPQPATPLSQPAV-----SIEGOVSNPPTSSTEVNSQAIAE-KQP 972

QY 195 SQEL-----HPGAAKTEPAALSQAEEVEEBEGADYENLQEL 232
Db 973 SQEVKMEARMEVDQPEADTQPEDISESKVEDCKMESTETERSTEL 1019
```

RESULT 23

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US-10-756-149-5732
; Sequence 5732, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
; FILE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756,149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5732
; LENGTH: 2414
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-756-149-5732
```

```
Query Match          9.3%; Score 113.5; DB 18; Length 2414;
Best Local Similarity 24.2%; Pred. No. 15;
Matches 55; Conservative 24; Mismatches 103; Indels 45; Gaps 9;

QY 27 VHCHRLPGSYDSTSSDLSYPRGQFKRPHTVAPWPPA-YPPVTSYP-PLSQPDLLPIPRS 84
Db 817 IHCPLQPPALHQNSPSVPFS--RTPTPHHTPPSIGAQPPATTIPAPVPTPPAMPGGPQ 874

QY 85 PQLGGSHRTPSSRRSDGANSVASVYENEEEPACEDADEDDYHNPGLVVLDPSTPATS 144
Db 875 SQAL---HPPPRQTPTPTTQLPQQVQPSLPAAPSADQPQQ-----PRSQQSTA 921
```

